

Item	Present?	Filename This should be the name the file is saved as when it is uploaded to our system, and should include the file extension. The extension must be .pdf	A brief, numerical description of file contents. i.e.: <i>Supplementary Figures 1-4, Supplementary Discussion, and Supplementary Tables 1-4.</i>
Supplementary Information	Yes	Supplemenatry_Figures_and_Legends	Supplementary Figures and Legends 1-5, Supplementary Table and Legend 1
Reporting Summary	Yes	nr-reporting-summary A28284 01.10.2020	

Type	Number If there are multiple files of the same type this should be the numerical indicator. i.e. "1" for Video 1, "2" for Video 2, etc.	Filename This should be the name the file is saved as when it is uploaded to our system, and should include the file extension. i.e.: <i>Smith_Supplementary_Video_1.mov</i>	Legend or Descriptive Caption Describe the contents of the file
Supplementary Table		Supplemenatry_Figures_and_Legends	Supplementary Table 1. Integration of DNA methylomic and transcriptomic data Differential expression analysis of previously published naive CD8 ⁺ T cells (n=2) and LCMV-specific small intestine tissue resident memory CD8 ⁺ T cell samples (gut T _{RM} , n=2) shown in Fig. 2b was performed using DESeq2 (GSE70813) ^{36,59} . 2,150

			<p>genes were identified as being up-regulated and 506 genes were identified as down-regulated in gut T_{RM} relative to naive CD8⁺ T cells (p value < FDR<0.05 and log2fold>2). Overlapping upregulated and hypomethylated or downregulated and hypermethylated genes in gut T_{RM} relative to naive in each comparison are given. Methylome data used in this comparison include n=2 gut T_{RM} and n=3 naive samples (as in Fig. 2c).</p>
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